

CLAIMS

1. A heat resistant capsule comprising a capsule covering film and a capsule filler solution encapsulated therein, wherein curdlan is used as a capsule covering film matrix of the capsule covering film.

2. A heat resistant capsule, characterized in that a capsule filler solution is encapsulated in a capsule covering film via a liquid substance for isolating a capsule filler solution and a capsule covering film, wherein curdlan is used as a capsule covering film matrix of the capsule covering film.

3. The heat resistant capsule according to claim 1 or 2, wherein the curdlan is contained at an amount of 80% by weight or more relative to a total weight of a capsule covering film matrix.

4. A process for producing a heat resistant capsule, comprising using a first nozzle, a second nozzle and a third nozzle having a sequentially increasing radius, which are disposed concentrically, simultaneously extruding a capsule filler solution through the first nozzle, a capsule covering film solution through the second nozzle, and an oil solution through the third nozzle to form a composite jet, and releasing the composite jet into a heated oil solution,

wherein the capsule covering film solution contains curdlan, and a temperature of an oil solution which is extruded through a third nozzle is

lower than that of the heated oil solution.

5. A process for producing a heat resistant capsule, comprising using a first nozzle, a second nozzle, a third nozzle and a fourth nozzle having a sequentially increasing radius, which are disposed concentrically, simultaneously extruding a capsule filler solution through the first nozzle, a liquid substance for isolating the capsule filler solution and a capsule covering film through the second nozzle, a capsule covering film solution through a third nozzle, and an oil solution through the fourth nozzle to form a composite jet, and releasing the composite jet into a heated oil solution, wherein the capsule covering film solution contains curdlan, and a temperature of an oil solution which is extruded through the fourth nozzle is lower than that of the heated oil solution.

6. The process according to claim 4 or 5, wherein curdlan is contained in a capsule covering film solution at an amount of 0.1 to 20% by weight relative to a total weight of the capsule covering film solution.

7. The process according to any one of claims 4 to 6, wherein the capsule covering film solution further contains a viscosity adjusting agent.

8. The process according to claim 7, wherein the viscosity adjusting agent contains one or more kinds selected from the group consisting of alga-derived polysaccharides, plant and plant seed-derived polysaccharides, microorganism-derived polysaccharides, cellulose viscous substances and

starch hydrolysates.